**Science 9 - Adopt an Element Project OUTLINE – Tuesday, October 16, 2018**



 **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DUE DATE: Tuesday, October 23, 2018**

**EACH ONE OF THE SIX SQUARES SHOULD BE 170 mm by 170 mm (with 10 mm boarder) – See sample sheet provided!**

***NOTE: STUDENTS MUST COMPLETE TWO SIDES OF THEIR SQUARES PER DAY***

***NOTE: IF NOT COMPLETED DURING CLASS TIME ONE MUST COMPLETE FOR HOMEWORK***

**Side 1 – Your Element**

* This side of your cube will look like the element’s box on the periodic table.
* YOU MUST INCLUDE YOUR NAME ON THIS SIDE

**Side 2 – Bohr Model**

* Find or draw a Bohr model of your element showing protons, neutrons and electrons.
* Use a key or labels (for protons, neutrons, and electrons).
* Make sure your electrons are in the correct energy levels and protons and neutrons are visible in the nucleus.

**Side 3 – Element Properties**

* In bullet form, list the chemical properties of your element. (Include 3 - 5 properties).
* In bullet form, list the physical properties of your element. (Include 3 - 5 properties).
* Include at least one picture representing a chemical or physical property.
* Make sure you have a title for each set of properties.

**Side 4 – History of the Element**

* In paragraph form (5 -7 sentences), write the history of your element. You might include some of these topics: who discovered your element, when and where and how it was discovered, the importance of the element in the past.
* Include at least one picture showing historical information about the element.

**Side 5 – Uses in Industry**

* In paragraph form (5 – 7 sentences), describe how your element is used. You might include some of these topics: one or more uses, how the element is manufactured, costs of using your element, importance of your element to economies throughout the world.
* Include at least one picture showing how your element is used.

**Side 6 – Fun and Fascinating Facts**

* In bullet form, choose 3 - 5 interesting facts that you have not used elsewhere on your project.

**RUBRIC ON BACK OF SHEET**

Rubric